

GenCore version 4.5
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* OM nucleic - nucleic search, using sw model

Run on: January 24, 2002, 21:47:46 : Search time 130.07 Seconds
(without alignments)
2287.938 Million cell updates/sec

Title: US-09-464-528-6

Perfect score: 1314
Sequence: 1 tctagatcaactacatcc.....ttttgaagtataaccatg 1314

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 351203 seqs, 11323899 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_NA: *
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq: *
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq: *
5: /cgn2_6/ptodata/2/ina/PCITUS.COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| 1 | 78 | 5.9 | 7218 | 1 | US-08-232-463-14 |
| 2 | 61.4 | 4.7 | 837 | 4 | US-08-998-416-288 |
| 3 | 56.2 | 4.3 | 636 | 4 | US-08-998-416-1137 |
| 4 | 55.4 | 4.2 | 19124 | 2 | US-08-487-826B-13 |
| 5 | 55.4 | 4.2 | 615 | 4 | US-08-998-416-186 |
| 6 | 54.4 | 4.1 | 636 | 4 | US-08-998-416-187 |
| 7 | 54.4 | 4.1 | 837 | 4 | US-08-998-416-288 |
| 8 | 54.2 | 4.1 | 1186 | 2 | US-08-731-722-5 |
| 9 | 53.6 | 4.1 | 19124 | 2 | US-08-487-826B-13 |
| 10 | 52.6 | 4.0 | 665 | 2 | US-08-883-795A-36 |
| 11 | 52.2 | 4.0 | 1826 | 4 | US-09-286-691-11 |
| 12 | 52.2 | 4.0 | 1826 | 4 | US-09-687-147-11 |
| 13 | 52 | 4.0 | 8920 | 2 | US-08-446-855A-1 |
| 14 | 52 | 4.0 | 8920 | 4 | US-09-150-741-1 |
| 15 | 51.2 | 3.9 | 3933 | 2 | US-08-731-722-3 |
| 16 | 51.2 | 3.9 | 3933 | 2 | US-08-731-722-3 |
| 17 | 51 | 3.9 | 665 | 2 | US-08-998-416-186 |
| 18 | 51 | 3.9 | 665 | 2 | US-08-883-795A-36 |
| 19 | 50.8 | 3.9 | 602 | 1 | US-08-229-393-1 |
| 20 | 50.2 | 3.8 | 473 | 1 | US-08-764-100-16 |
| 21 | 50.2 | 3.8 | 473 | 1 | US-08-764-100-16 |
| 22 | 50.2 | 3.8 | 473 | 1 | US-08-764-100-14 |
| 23 | 50.2 | 3.8 | 8920 | 2 | US-08-446-855A-1 |
| 24 | 50.2 | 3.8 | 8920 | 2 | US-09-150-741-1 |
| 25 | 49.8 | 3.8 | 4467 | 1 | US-08-565-907A-1 |
| 26 | 49.8 | 3.8 | 4467 | 2 | US-08-910-551B-1 |
| 27 | 49.8 | 3.8 | 4467 | 2 | US-08-909-425A-1 |

| | | | | | | |
|----|------|-----|-------|---|-------------------|--------------------|
| 28 | 49.4 | 3.8 | 1611 | 6 | US-07-593-657-14 | Patent No. 5213972 |
| 29 | 49.2 | 3.7 | 319 | 1 | US-07-593-657-14 | Sequence 14, Appl |
| 30 | 49 | 3.7 | 1850 | 2 | US-08-617-860B-32 | Sequence 32, Appl |
| 31 | 49 | 3.7 | 4098 | 2 | US-08-605-106-4 | Sequence 4, Appl |
| 32 | 48.8 | 3.7 | 6152 | 4 | US-08-973-462-1 | Sequence 1, Appl |
| 33 | 48.6 | 3.7 | 1857 | 4 | US-09-299-378-3 | Sequence 1, Appl |
| 34 | 48.6 | 3.7 | 6152 | 4 | US-08-973-462-1 | Sequence 1, Appl |
| 35 | 48.4 | 3.7 | 1230 | 4 | US-09-140-466-1 | Sequence 1, Appl |
| 36 | 48.2 | 3.7 | 6768 | 1 | US-08-107-755A-1 | Sequence 1, Appl |
| 37 | 48.2 | 3.7 | 8457 | 1 | US-07-991-867B-1 | Sequence 1, Appl |
| 38 | 48.2 | 3.7 | 8457 | 2 | US-08-544-352-1 | Sequence 1, Appl |
| 39 | 47.8 | 3.6 | 5590 | 3 | US-08-882-046-1 | Sequence 1, Appl |
| 40 | 47.8 | 3.6 | 12124 | 1 | US-08-181-271A-36 | Sequence 36, Appl |
| 41 | 47.8 | 3.6 | 12124 | 1 | US-08-449-315-36 | Sequence 36, Appl |
| 42 | 47.8 | 3.6 | 12124 | 1 | US-08-444-803-36 | Sequence 36, Appl |
| 43 | 47.8 | 3.6 | 12124 | 1 | US-08-449-043-36 | Sequence 36, Appl |
| 44 | 47.8 | 3.6 | 12124 | 1 | US-08-456-265A-36 | Sequence 36, Appl |
| 45 | 47.8 | 3.6 | 12124 | 4 | US-09-350-600-36 | Sequence 36, Appl |

ALIGNMENTS

RESULT 1
US-08-232-463-14
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEFFLINGER, F.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)856-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PTZgpt-Fls
US-08-232-463-14

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Query Match          5.9%; Score 78; DB 1; Length 7218;
Best Local Similarity 3.8%; Pred. NO. 1.1e-06;
Matches 15; Conservative 241; Mismatches 136; Indels 0; Gaps 0;

OY 554 ctttcgcatctacaccccgccgcttcctccataaattgaactcaatgct 613
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1071 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1130
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 614 cccctcaactcgtacgtctcagagttgagccaaagacacactcgtcatatctct 673
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1131 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1190
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 674 ctgcctctctctctctcctcctcaagtaacttctctcctccaccacaactccta 733
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1191 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1250
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 734 gattccgtggtcaattcgtgagactctgctgcttgccttgccttcttcctc 793
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1251 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1310
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 794 aactggtcactcagatcagtcgaactctcctcttaactcgcgaatcac 853
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1311 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1370
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 854 gcgttgaccttcagatcagtcgaatcattcataatgctctctcttcttagctt 913
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1371 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1430
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 914 atgagaaataaatacatctttttttatttcaaa 945
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1431 yyygtaccanaattcttcttacttctaacta 1462
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 2
US-08-998-416-288/C
: Sequence 288, Application US/08998416
: Patent No. 6239264
: GENERAL INFORMATION:
: APPLICANT: Philippsen, Peter
: APPLICANT: Pohlmann, Rainer
: APPLICANT: Steiner, Sabine
: APPLICANT: Mohr, Christine
: APPLICANT: Wendland, Jurgen
: APPLICANT: Knechtle, Philipp
: APPLICANT: Redischung, Corinne
: TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPPII
: NUMBER OF SEQUENCES: 1152
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: No. 6239264artis Corporation
: STREET: 3054 Cornwalis Road
: CITY: Research Triangle Park
: STATE: No. 6239264th Carolina
: COUNTRY: USA
: ZIP: 27709
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/998,416
: FILING DATE: 24-DEC-1997
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: CH 0016/97
: FILING DATE: 31-DEC-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: Meigs, J. Timothy
: REGISTRATION NUMBER: 38,241
: REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 919-541-8587

```

```

TELEFAX: 919-541-8689
: INFORMATION FOR SEQ ID NO: 288:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 837 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: ORIGINAL SOURCE:
: ORGANISM: PAG1241RP
: US-08-998-416-288

Query Match          4.7%; Score 61.4; DB 4; Length 837;
Best Local Similarity 54.7%; Pred. NO. 0.0011;
Matches 122; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

OY 72 atataatcatttttlaagatatataaagaatttttaaaaaaatgt 131
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 565 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 506
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 132 ataaatatataatcattgattttcattacatttgatttgataataatattttt 191
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 505 ATAAATTAATTAATTAAGAAATTAAGTTAAATTAATTTAATTAATTTAATAA 446
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 192 ttaattcttaaaaaatgttgcagacacttattagacatgcttctgttctacaa 251
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 445 AGATTAAATTAATTAATCACTAATATTATTTAAATTAATTAATTAATTAAT 386
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 252 agcatcattcattacattaaaaaatttataactaca 294
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 385 AATTACAAATTTAATTAATTAATTAATTTAATTAATTAATTAATTAATAA 343
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 3
US-08-998-416-1137/C
: Sequence 1137, Application US/08998416
: Patent No. 6239264
: GENERAL INFORMATION:
: APPLICANT: Philippsen, Peter
: APPLICANT: Pohlmann, Rainer
: APPLICANT: Steiner, Sabine
: APPLICANT: Mohr, Christine
: APPLICANT: Wendland, Jurgen
: APPLICANT: Knechtle, Philipp
: APPLICANT: Redischung, Corinne
: TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPPII
: NUMBER OF SEQUENCES: 1152
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: No. 6239264artis Corporation
: STREET: 3054 Cornwalis Road
: CITY: Research Triangle Park
: STATE: No. 6239264th Carolina
: COUNTRY: USA
: ZIP: 27709
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/998,416
: FILING DATE: 24-DEC-1997
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: CH 0016/97
: FILING DATE: 31-DEC-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: Meigs, J. Timothy
: REGISTRATION NUMBER: 38,241
: REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 919-541-8587

```

TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1137:
SEQUENCE CHARACTERISTICS:
LENGTH: 636 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1692RP
US-08-998-416-1137

Query Match 4.3%; Score 56.2; DB 4; Length 636;
Best Local Similarity 53.4%; Pred. No. 0.011;
Matches 118; Conservative 0; Mismatches 103; Indels 0; Gaps 0;

QY 74 attaacctatttttaagatatatttaagaatttaagaatttttttaaaaaatgtat 133
DB 563 AATAATTAATTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 504
QY 134 aaaaataattatcatgattttcatcatttgatttgaataatattttttt 193
DB 503 AAAAAATTAATTAAGAAATTAAGTTAAATTAATTAATTAATTAATTAATTA 444
QY 194 aattcttaaaaatgttcgaagacattatgaacatgctgttcgtttcaaaaag 253
DB 443 ATTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 384
QY 254 catcacatttaataacataaaaaataatttaactaca 294
DB 383 TTACCAATATTTAATAATTAATTAATCTTTATTAATTAATAA 343

RESULT 4
US-08-487-826B-13
Sequence 13, Application US/08487826B
Patent No. 5993827
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Chittis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhan
APPLICANT: Wellens, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelsen, Ned
REGISTRATION NUMBER: 29, 655
REFERENCE/DOCKET NUMBER: NIH121.001CPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:
LENGTH: 19124 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-487-826B-13

Query Match 4.3%; Score 56; DB 2; Length 19124;
Best Local Similarity 47.7%; Pred. No. 0.018;
Matches 164; Conservative 0; Mismatches 180; Indels 0; Gaps 0;

QY 57 attatttgggttaaatatcatcatttttaagatbatttaagaatttaagaat 116
DB 1264 ATTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1323
QY 117 ttttaaaaaatgataaattatattatcatgattttcatcatttgatttgata 176
DB 1324 TATACATCTGGATCTATATATATATATATATATATATATATATATATAT 1383
QY 177 aaaaataatttttttaatttttaaaatglttgaagacattatgaacatgct 236
DB 1384 CTTTCTTTTCTTTTAAATTAATTAATTAATTAATTAATTAATTAATTAAT 1443
QY 237 tgtctgtttcaaaaagcattcatcatttaatacatttaaaaaatttaacag 236
DB 1444 TTAGTATTTTATTAATTAATTAATTAATTTTAAACCTTCAACATTTTGCAT 1503
QY 297 agaactctctgtgagtggtgtggtgagtaggcaaccctggcatttgaacag 356
DB 1504 ATATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1563
QY 357 gtccagaccagagaacaataaaagtatgcaacacaacaatca 400
DB 1564 ATTAGAACAAAGAAATATTACAAAAAATAATTAATTAATTA 1607

RESULT 5
US-08-998-416-186
Sequence 186, Application US/08998416
Patent No. 6239264
GENERAL INFORMATION:
APPLICANT: Philippsen, Peter
APPLICANT: Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jürgen
APPLICANT: Knechtle, Philipp
APPLICANT: Reibischung, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPYII
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 1152
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6239264artis Corporation
STREET: 3054 Cornwalls Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97

```

FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 186:
SEQUENCE CHARACTERISTICS:
LENGTH: 615 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1074RP
US-08-998-416-186

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Query Match          4.28; Score 55.4; DB 4; Length 615;
Best Local Similarity 51.08; Pred. No. 0.015;
Matches 131; Conservative 0; Mismatches 126; Indels 0; Gaps 0;

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QY 36 atctcctacaatcactaactatttgggttaaatattcaatcatttttaagata 95
   || || || || || || || || || || || || || || || || || || ||
DB 338 AATATTTTATTTATTTAATAGATTATTTATTTAATATTGTAATTTATTTTATT 397
   || || || || || || || || || || || || || || || || || || ||
QY 96 ttaattaagaattaaagattttttaaaaaaagtataaattatatttcaagattt 155
   || || || || || || || || || || || || || || || || || || ||
DB 368 ATAAATCTATTTTAAATTAATGTTGATTATTTATTTTAACTTTTAAAGAAAT 457
   || || || || || || || || || || || || || || || || || || ||
QY 156 ttcacatttgatttgataataatatttttttttttttttttttttttttttttt 215
   || || || || || || || || || || || || || || || || || || ||
DB 458 ATTATTAATTTATTTTAACTTTTAACTTTTCTTATTTATTTTATTTATTTAATA 517
   || || || || || || || || || || || || || || || || || || ||
QY 216 gacactatcagacatagcttgcctgttcaacaaagcatcattcaattacattaa 275
   || || || || || || || || || || || || || || || || || || ||
DB 518 TTATATTCATTTTATTTATTTATTTATTTAATTAATTAATTTATTTAATTTTAT 577
   || || || || || || || || || || || || || || || || || || ||
QY 276 aaataatttaactaa 292
   || || || || || || || || || || || || || || || || || || ||
DB 578 CATTTTAAATTAATTA 594

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RESULT 6
US-08-998-416-1137
Sequence 1137, Application US/08998416
Patent No. 6239264
GENERAL INFORMATION:
APPLICANT: Philippsen, Peter
APPLICANT: Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgen
APPLICANT: Knechtle, Philipp
APPLICANT: Rebschunig, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPIT
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 1152
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6239264artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

```

```

APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1137:
SEQUENCE CHARACTERISTICS:
LENGTH: 636 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1692RP
US-08-998-416-1137

```

```

Query Match          4.18; Score 54.4; DB 4; Length 636;
Best Local Similarity 53.68; Pred. No. 0.023;
Matches 135; Conservative 0; Mismatches 116; Indels 1; Gaps 1;

```

```

QY 37 tctcctacaatcactaactatttgggttaaatattcaatcatttttaagatat 96
   || || || || || || || || || || || || || || || || || || ||
DB 82 TATTTATTTATTTTAAATTAATTTATTTGATTATTTAATTTATTTATTTATTTAT 141
   || || || || || || || || || || || || || || || || || || ||
QY 97 taattaagaattaaagattttttaaaaaaagtataaattatatttcaagattt 156
   || || || || || || || || || || || || || || || || || || ||
DB 142 TATTAATTTCTTAATTCATTCATTTATTTATTTATTTAATTAATTAATTAATTA 200
   || || || || || || || || || || || || || || || || || || ||
QY 157 tcaacatttgatttgataataatatttttttttttttttttttttttttttttt 216
   || || || || || || || || || || || || || || || || || || ||
DB 201 ATATGAAATTTATTTTAACTTTTAACTTTTCTTATTTATTTTATTTAATTTAAT 260
   || || || || || || || || || || || || || || || || || || ||
QY 217 acactatcagacatagcttgcctgttcaacaaagcatcattcaattacattaa 276
   || || || || || || || || || || || || || || || || || || ||
DB 261 ATTATTTATTTCTTTAATTAATTTAATTAATTAATTAATTAATTAATTAATTTAT 320
   || || || || || || || || || || || || || || || || || || ||
QY 277 aaatatttaata 288
   || || || || || || || || || || || || || || || || || || ||
DB 321 AATGTTTATTA 332

```

```

RESULT 7
US-08-998-416-288
Sequence 288, Application US/08998416
Patent No. 6239264
GENERAL INFORMATION:
APPLICANT: Philippsen, Peter
APPLICANT: Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgen
APPLICANT: Knechtle, Philipp
APPLICANT: Rebschunig, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPIT
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 1152
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6239264artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:

```

```

? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/731,722
? FILING DATE:
? CLASSIFICATION: 424
? ATTORNEY/AGENT INFORMATION:
? NAME: Whitlock, Ted W.
? REGISTRATION NUMBER: 36,965
? REFERENCE/DOCKET NUMBER: JF-161
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 352-375-8100
? TELEFAX: 352-372-5800
? INFORMATION FOR SEQ ID NO: 5:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1166 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
? ORIGINAL SOURCE:
? INDIVIDUAL ISOLATE: 23-5
?
US-08-731-722-5

```

```

Db      595 TATTGAGAAATTTCTTATAACTACATCATTAATAAATTTTAGAGATCTACTCGTATAAATCCAG 536
QY      112 Aagaatttttaaaaaatgcataaaatatattcatcgatttccatacattgatt 171
        |  ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      535 ATCATTATTAAAAATATAATPAAGAATT---TTCAATATTTATATAATAATATATTTTC 480
QY      172 tgaataaatatatttttttaatttcctaaaagtgcagaacacttatagacat 231
        |  ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      479 TTATTTGAAGTATTTTCATTATTTTATTTTTTTTAAAAGTATATATCTTTAAAAAGATAT 420
QY      232 agctctgtt 240
        |  |||
Db      419 AAATTAATT 411

RESULT          9
US-08-487-826B-13/c
Sequence 13, Application US/08487826B
Patent No. 5993827
GENERAL INFORMATION:
APPLICANT:    SIM, Kim L.
APPLICANT:    Chitnis, Chetan
APPLICANT:    Miller, Louis H.
APPLICANT:    Peterson, David S.
APPLICANT:    Su, Xin-zhaun
APPLICANT:    Wellens, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
NUMBER OF INVENTIONS: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEIN
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knudde Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

```

```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelsen, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 19124 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-487-826B-13

```

```

Query Match      4.1% Score 53.6; DB 2; Length 19124;
Best local similarity 45.9%; Pred. No. 0.05;
Matches 221; Conservative 0; Mismatches 259; Indels 2; Gaps 1;

```

```

QY 818 tgaactctactctcttcttaacatcgcggaacacgcgttcgacgttcagatcagtcg 877
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15940 TTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTA 15881

QY 878 aaatcattcattcgtctctctctctctctctctctctctctctctctctctctct 937
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15880 AATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 15821

QY 938 tattcaaaaataaaccctgagcctgctgacgcgagacgagcgttcgagcagcagc 997
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15820 TATTTT-AAATTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAA 15763

QY 998 tttagagaaatttgcatactgactgctgctgctgctgctgctgctgctgctgctgct 1057
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15762 TTTTATTTTATTTATGATATATTTTATTTTATTTTATTTTATTTTATTTTATTT 15703

QY 1058 catcacctccttagcctcaatttatcgcagataggtccacaatagaaatccaaactt 1117
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15702 TTTATGATATATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 15643

QY 1118 gagcaggggaattacccctccctcccaatccagttgctgctgctgctgctgctgct 1177
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15642 TTTTATATCATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 15583

QY 1178 gaaactttgcttaactctatataactttttatagcacaatcttgcacgtgtc 1237
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15582 TCATTTTATTTATTCATCAAAATTTTATTTTATTTTATTTTATTTTATTTTAA 15523

QY 1238 tttagcctcctctgtaacttactgctgctgctgctgctgctgctgctgctgctgct 1297
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15522 TTTTCCTCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 15463

QY 1298 tt 1299
   ||
DB 15462 TT 15461

```

```

RESULT 10
US-08-883-795A-36
Sequence 36, Application US/08883795A
GENERAL INFORMATION:
APPLICANT: Delcuve, Genevieve
APPLICANT: Awang, Greogor
TITLE OF INVENTION: Recombinant DNA Molecules and Expression
VECTORS FOR Tissue Plasminogen Activator

```

```

NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: BERESKIN & PARR
STREET: 40 King Street West
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5H 3Y2
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/883,795A
FILING DATE: 27-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gravelle, Michelle
REGISTRATION NUMBER: 40,261
REFERENCE/DOCKET NUMBER: 7841-062
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 361-1398
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 665 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: Rh 32
US-08-883-795A-36

```

```

Query Match      4.0% Score 52.6; DB 2; Length 665;
Best local similarity 55.1%; Pred. No. 0.05;
Matches 124; Conservative 0; Mismatches 99; Indels 2; Gaps 1;

```

```

QY 73 tattaatcattattttaagatataaagaatataaagaattttaaaaaatgta 132
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 25 TATATTAATTAATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTT 84

QY 133 taaattatattatcagatcttccacattgatttgataaataatattttt 192
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 85 TTAATTTAAATTTTATTAATTAATTAATTTTATTAATTTTATTAATTTTATTAATTA 142

QY 193 taattccttaaaaatgctgcaagacacttattagacatagctgtctgtttacaaa 252
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 143 TTTATTAATTAATAAATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTA 202

QY 253 gcattcactcatttaacattataaataatttaacttaactaacagta 297
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 203 TTTATTAATTAATAATTTTATTAATTAATTAATTTTATTAATTTTATTAATTAATA 247

```

```

RESULT 11
US-09-286-691-11
Sequence 11, Application US/09286691
GENERAL INFORMATION:
APPLICANT: Li, Xin-Liang
APPLICANT: Ljungdahl, Lars G.
APPLICANT: Chen, Huizhong
TITLE OF INVENTION: Cellulases and Coding Sequences
FILE REFERENCE: 42-96
CURRENT APPLICATION NUMBER: US/09/286,691
CURRENT FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 60/027,883
EARLIER FILING DATE: 1996-10-04

```

```

; EARLIER APPLICATION NUMBER: PCT US97/18008
; EARLIER FILING DATE: 1997-10-03
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1826
; TYPE: DNA
; ORGANISM: Orpinomyces sp. PC-2
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (69)..(1481)
US-09-286-691-11

```

```

Query Match          4.0%; Score 52.2; DB 4; Length 1826;
Best Local Similarity 49.8%; Pred. No. 0.068;
Matches 132; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

```

```

QY 13 tcaatccaaacatacagatgatactccttaaccaatcactaatttttgggttaa 72
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1501 ttcaacacataataaatttttagtaaaaaataaagaataatttttaaaaaaat 1560
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 73 tattaacattattttaagataataagaataaagaatttttaaaaaaagta 132
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1561 attatattatgtataataataataataataataataataataataataata 1620
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 133 taaattattatttgcatttgcatttgcatttgcatttgcatttgcatttgcatt 192
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1621 aaatactacataaacaagaataaataaatttttagtattgataataatttatt 1680
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 193 taattcttaaaaaatgttcgaagacactatagacatgcttctgtttcaaaa 252
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1681 aaaaagttataatgataaaaaaaataataataatttttgatgtatttgcatacaa 1740
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 253 gcatctcatcttaatacataaa 277
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1741 agaataataataataactttaaa 1765
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 12
US-09-687-147-11
; Sequence 11, Application US/09687147
; Patent No. 6268198
; GENERAL INFORMATION:
; APPLICANT: Li, Xin-Liang
; APPLICANT: Ljungdahl, Lars G.
; APPLICANT: Chen, Huizhong
; TITLE OF INVENTION: Cellulases and Coding Sequences
; FILE REFERENCE: 42-96a
; CURRENT APPLICATION NUMBER: US/09/687,147
; CURRENT FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: US 60/027,883
; PRIOR FILING DATE: 1996-10-04
; PRIOR APPLICATION NUMBER: PCT US97/18008
; PRIOR FILING DATE: 1997-10-03
; PRIOR APPLICATION NUMBER: 09/286,691
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1826
; TYPE: DNA
; ORGANISM: Orpinomyces sp. PC-2
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (69)..(1481)
US-09-687-147-11

```

```

Query Match          4.0%; Score 52.2; DB 4; Length 1826;
Best Local Similarity 49.8%; Pred. No. 0.068;
Matches 132; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

```

```

QY 13 tcaatccaaacatacagatgatactccttaaccaatcactaatttttgggttaa 72
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1501 ttcaacacataataaatttttagtaaaaaataaagaataatttttaaaaaaat 1560
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 73 tattaacattattttaagataataagaataaagaatttttaaaaaaagta 132
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1561 attatattatgtataataataataataataataataataataataataataata 1620
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 133 taaattattatttgcatttgcatttgcatttgcatttgcatttgcatttgcatt 192
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1621 aaatactacataaacaagaataaataaatttttagtattgataataatttatt 1680
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 193 taattcttaaaaaatgttcgaagacactatagacatgcttctgtttcaaaa 252
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1681 aaaaagttataatgataaaaaaaataataataatttttgatgtatttgcatacaa 1740
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 253 gcatctcatcttaatacataaa 277
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1741 agaataataataataactttaaa 1765
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 13
US-08-446-855A-1/c
; Sequence 1, Application US/08446855A
; Patent No. 5849573
; GENERAL INFORMATION:
; APPLICANT: Stewart, Thomas S
; APPLICANT: Flores, Maria V
; APPLICANT: O'Sullivan, William J
; TITLE OF INVENTION: Nucleotide sequence encoding carbamoyl
; TITLE OF INVENTION: phosphate synthetase II
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vandervhe PC
; STREET: 1100 No. 5849573th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,855A
; FILING DATE: 08-Jul-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mitchard, Leonard C
; REGISTRATION NUMBER: 29,009
; REFERENCE/DOCKET NUMBER: 47-80
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8920 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: genomic
US-08-446-855A-1

```

```

Query Match          4.0%; Score 52; DB 2; Length 8920;
Best Local Similarity 49.6%; Pred. No. 0.09;
Matches 133; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

```

```

QY 51 ataactaatatttgggttaaatataatcattatttttaagatatataagaataa 110
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 777 ATATTATATATATATATATATATTTTCCATTTCCTTTTATATATATTTT 718
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

QY 111 aaagatcttttaaaaaatgataataatataatcattcagatctttcattacatttgatt 170
DB 717 AATTTAAGCTTTAAATATTTAATTAATTTACATATACAGTTCTATTTTCATATGTAAAT 658
QY 171 ttgataataataataatcttttttaattccttaaaaaatgltgcaagacattcttgaca 230
DB 657 TTTTCTTTTCTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 538
QY 231 tagctctgtctcgtttcaaaaagcattcattcatttaataacatttaataact 250
DB 597 TTTTAACTAGAAAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATA 538
QY 291 aacagtagaattctctctgtgaagtggt 318
DB 537 AATTAAAGAACCAACATATTTGGGAGT 510

```

```

RESULT 14
US-09-150-741-1/c
Sequence 1, Application US/09150741
Patent No. 6183996
GENERAL INFORMATION:
APPLICANT: Stewart et al.
TITLE OF INVENTION: Nucleotide Sequence Encoding Cardamyl Phosphate
Patent No. 6183996
FILE REFERENCE:
TITLE OF INVENTION: Synthetase II
CURRENT APPLICATION NUMBER: US/09/150,741
CURRENT FILING DATE: 1998-09-10
EARLIER APPLICATION NUMBER: PL6380
EARLIER FILING DATE: 1992-12-16
EARLIER APPLICATION NUMBER: AU93/00617
EARLIER FILING DATE: 1993-12-02
EARLIER APPLICATION NUMBER: 08/446,855
EARLIER FILING DATE: 1995-07-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 1
LENGTH: 8920
TYPE: DNA
ORGANISM: Plasmodium falciparum
US-09-150-741-1

```

```

Query Match 4.0%; Score 52; DB 4; Length 8920;
Best Local Similarity 49.6%; Pred. No. 0.09;
Matches 133; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

```

```

QY 51 atactaatattttgggttaaatatataatctattttttaagatataaataaatt 110
DB 777 AATTTAATATATATATCTATATATTTTCCCATTTTCTTTTCTTTTCTTTTCTTTTCT 718
QY 111 aaagatcttttaaaaaatgataataatataatcattcagatctttcattacatttgatt 170
DB 717 AATTTAAGCTTTAAATATTTAATTAATTTACATATACAGTTCTATTTTCATATGTAAAT 658
QY 171 ttgataataataataatcttttttaattccttaaaaaatgltgcaagacattcttgaca 230
DB 657 TTTTCTTTTCTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 538
QY 231 tagctctgtctcgtttcaaaaagcattcattcatttaataacatttaataact 290
DB 597 TTTTAACTAGAAAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATA 538
QY 291 aacagtagaattctctctgtgaagtggt 318
DB 537 AATTAAAGAACCAACATATTTGGGAGT 510

```

```

RESULT 15
US-08-731-722-3
Sequence 3, Application US/08731722
Patent No. 5961971

```

```

GENERAL INFORMATION:
APPLICANT: Martin, Frank N.
TITLE OF INVENTION: Biocontrol of Fungal Soilborne Pathogens
TITLE OF INVENTION: by Pythium oligandrum
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Saliwanhik & Saliwanhik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: US
ZIP: 32606-6669
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/731,722
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Whitlock, Ted W.
REGISTRATION NUMBER: 36,965
REFERENCE/DOCKET NUMBER: UF-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 352-375-8100
TELEFAX: 352-372-5800
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3933 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: 1986-41
US-08-731-722-3

```

```

Query Match 3.9%; Score 51.2; DB 2; Length 3933;
Best Local Similarity 54.3%; Pred. No. 0.12;
Matches 125; Conservative 0; Mismatches 103; Indels 2; Gaps 1;

```

```

QY 53 actaatattttgggttaaatatataatcattcatttttaagatataaataaatt 112
DB 505 AATTTAATATATATCTATATATTTTCCCATTTTCTTTTCTTTTCTTTTCTTTTCT 562
QY 113 aaagatcttttaaaaaatgataataatataatcattcagatctttcattacatttgatt 172
DB 563 AATTTAAGCTTTAAATATTTAATTAATTTACATATACAGTTCTATTTTCATATGTAAAT 658
QY 173 ttgataataataataatcttttttaattccttaaaaaatgltgcaagacattcttgaca 232
DB 623 AATTTAAGCTTTAAATATTTAATTAATTTACATATACAGTTCTATTTTCATATGTAAAT 682
QY 233 tagctctgtctcgtttcaaaaagcattcattcatttaataacatttaataact 292
DB 653 GTAGATTGAGAGAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 732

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Search completed: January 24, 2002, 22:04:33
Job time: 1007 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 24, 2002, 22:04:33 ; Search time 130.07 Seconds
(without alignments)
3769.700 Million cell updates/sec

Title: US-09-464-528-14

Perfect score: 2165

Sequence: 1 atcagatagacacatgtatc.....gttttgaagataaagag 2165

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113236999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/prodata/2/lna/5A.COMB.seq:*
2: /cgn2_6/prodata/2/lna/5B.COMB.seq:*
3: /cgn2_6/prodata/2/lna/5A.COMB.seq:*
4: /cgn2_6/prodata/2/lna/5B.COMB.seq:*
5: /cgn2_6/prodata/2/lna/PCUTS.COMB.seq:*
6: /cgn2_6/prodata/2/lna/Backfiles1.seq:*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| 1 | 78 | 3.6 | 7218 | 1 | US-08-232-463-14 |
| 2 | 61.4 | 2.8 | 837 | 4 | US-08-998-416-288 |
| 3 | 57.2 | 2.6 | 3095 | 6 | 5231168-1 |
| 4 | 57 | 2.6 | 837 | 4 | US-08-998-416-288 |
| 5 | 56.4 | 2.6 | 615 | 4 | US-08-998-416-186 |
| 6 | 56.2 | 2.6 | 636 | 4 | US-08-998-416-1137 |
| 7 | 56 | 2.6 | 19124 | 2 | US-08-487-826B-13 |
| 8 | 54.8 | 2.5 | 636 | 4 | US-08-998-416-1137 |
| 9 | 54.2 | 2.5 | 1186 | 2 | US-08-731-722-5 |
| 10 | 53.8 | 2.5 | 6243 | 2 | US-09-056-075-1 |
| 11 | 53.6 | 2.5 | 19124 | 2 | US-08-487-826B-13 |
| 12 | 53.2 | 2.5 | 3118 | 1 | US-07-867-106-4 |
| 13 | 52.6 | 2.4 | 665 | 2 | US-08-883-795A-36 |
| 14 | 52.2 | 2.4 | 1826 | 4 | US-09-286-691-11 |
| 15 | 52.2 | 2.4 | 1826 | 4 | US-09-687-147-11 |
| 16 | 52 | 2.4 | 8920 | 2 | US-08-446-855A-1 |
| 17 | 52 | 2.4 | 8920 | 4 | US-09-150-741-1 |
| 18 | 51.8 | 2.4 | 782 | 4 | US-09-007-119-15 |
| 19 | 51.2 | 2.4 | 665 | 2 | US-08-883-795A-36 |
| 20 | 51.2 | 2.4 | 1431 | 4 | US-09-316-083-2 |
| 21 | 51.2 | 2.4 | 3933 | 2 | US-08-731-722-3 |
| 22 | 51.2 | 2.4 | 3933 | 4 | US-08-731-722-3 |
| 23 | 51 | 2.4 | 615 | 4 | US-08-998-416-186 |
| 24 | 51 | 2.4 | 2539 | 3 | US-08-749-522-3 |
| 25 | 50.8 | 2.3 | 602 | 1 | US-08-229-393-1 |
| 26 | 50.6 | 2.3 | 8920 | 2 | US-08-446-855A-1 |
| 27 | 50.6 | 2.3 | 8920 | 4 | US-09-150-741-1 |

| | | | | | | |
|----|------|-----|------|---|-------------------|-------------------|
| 28 | 50.2 | 2.3 | 473 | 1 | US-08-764-100-16 | Sequence 16, Appl |
| 29 | 50.2 | 2.3 | 1431 | 4 | US-09-316-083-2 | Sequence 2, Appl |
| 30 | 50.2 | 2.3 | 4970 | 1 | US-08-764-100-14 | Sequence 14, Appl |
| 31 | 50.2 | 2.3 | 4970 | 1 | US-08-764-100-20 | Sequence 20, Appl |
| 32 | 50 | 2.3 | 665 | 4 | US-08-998-416-937 | Sequence 937, App |
| 33 | 50 | 2.3 | 2287 | 4 | US-08-845-258-8 | Sequence 8, Appl |
| 34 | 50 | 2.3 | 2287 | 4 | US-08-990-571-8 | Sequence 8, Appl |
| 35 | 50 | 2.3 | 2287 | 4 | US-08-723-142A-8 | Sequence 8, Appl |
| 36 | 49.8 | 2.3 | 4467 | 1 | US-08-565-907A-1 | Sequence 1, Appl |
| 37 | 49.8 | 2.3 | 4467 | 2 | US-08-910-551B-1 | Sequence 1, Appl |
| 38 | 49.8 | 2.3 | 4467 | 2 | US-08-909-425A-1 | Sequence 1, Appl |
| 39 | 49.8 | 2.3 | 9048 | 3 | US-08-973-273-4 | Sequence 4, Appl |
| 40 | 49.6 | 2.3 | 3600 | 3 | US-08-894-731-1 | Sequence 1, Appl |
| 41 | 49.4 | 2.3 | 1611 | 5 | 5213972-6 | Sequence 1, Appl |
| 42 | 49.4 | 2.3 | 2659 | 3 | US-08-749-522-1 | Sequence 1, Appl |
| 43 | 49.2 | 2.3 | 319 | 1 | US-07-593-657-14 | Sequence 14, Appl |
| 44 | 49 | 2.3 | 1850 | 3 | US-08-617-860B-32 | Sequence 32, Appl |
| 45 | 49 | 2.3 | 4098 | 2 | US-08-605-106-4 | Sequence 4, Appl |

ALIGNMENTS

RESULT 1
US-08-232-463-14
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match 3.68; Score 78; DB 1; Length 7218;
 Best Local Similarity 3.8%; Pred. NO. 1.8e-06;
 Matches 15; Conservative 241; Mismatches 136; Indels 0; Gaps 0;

```

QY 1406 ctttcgcgtacattacacccgcgcgttccttcataattggaacaaatgct 1465
DB 1071 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1130
QY 1466 ccccttaactcgtatcgtcgaagtgagaccagacacactcgtatcatctc 1525
DB 1131 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1190
QY 1526 ctgctctctctctctctctcctcactcgaagtaactttctctccctcacaactccta 1585
DB 1191 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1250
QY 1586 gattccgttgctcaattcgaatcgtcactcgttgcttgcttgcttgcttcctc 1645
DB 1251 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1310
QY 1646 aactggtccatcctagatcactggaactcctctctcttctaatactcgcggaatc 1705
DB 1311 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1370
QY 1706 gcttggaacttcagatcgaatcgaatcattcattcattcctctctctctctctc 1765
DB 1371 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1430
QY 1766 acgagaataaatacattcttttttatttcaaa 1797
DB 1431 yyytgcacaaatctctatctcttTAACTA 1462

```

RESULT 2

US-08-998-416-288/C
 Sequence 288, Application US/08998416
 Patent No. 6239264

GENERAL INFORMATION:
 APPLICANT: Philippsen, Peter
 APPLICANT: Pohlmann, Rainer
 APPLICANT: Steiner, Sabine
 APPLICANT: Mohr, Christine
 APPLICANT: Wendland, Jürgen
 APPLICANT: Knechtle, Philipp
 APPLICANT: Reibischung, Corinne
 TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPYII
 TITLE OF INVENTION: AND USES THEREOF
 NUMBER OF SEQUENCES: 1152
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6239264artis Corporation
 STREET: 3054 Cornwallis Road
 CITY: Research Triangle Park
 STATE: No. 6239264th Carolina
 COUNTRY: USA
 ZIP: 27709

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/998,416
 FILING DATE: 24-DEC-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: CH 0016/97
 FILING DATE: 31-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 REGISTRATION NUMBER: 38,241
 REFERENCE/DOCKET NUMBER: PF/5-30306/A/GCCL1976
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 919-541-8587

TELEFAX: 919-541-8689
 INFORMATION FOR SEQ ID NO: 288:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 837 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: DNA (genomic)
 ORIGINAL SOURCE:
 ORGANISM: PAC1241RP
 US-08-998-416-288

Query Match 2.88; Score 61.4; DB 4; Length 837;
 Best Local Similarity 54.7%; Pred. No. 0.0016;
 Matches 122; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

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QY 924 atataatcatattttaagatataattaagaataaagaatttttaaaaaatgt 983
DB 565 AATTAATTAAATTAAATTAAATTAAATTAAATTAAATTAAATTAAATTAAATTAA 506
QY 984 ataaataatataatcatgatttcaatcatttgatttgataaataatatttt 1043
DB 505 ATAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 446
QY 1044 ttaattcttaaaaaatgctgaagacactatgagcatagctgctgttcaaaa 1103
DB 445 AGATTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 386
QY 1104 agcatcattcattcaatcattcaataaataatcaataactaca 1146
DB 385 AATTACAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 343

```

RESULT 3

US-08-998-416-288/C
 Sequence 288, Application US/08998416
 Patent No. 6239264

GENERAL INFORMATION:
 APPLICANT: DIEGIEL, MORTEN; BORRE, MARTIN; JEPSEN, SOREN;
 APPLICANT: JENSEN, RENECK, KLAUS; WIND, ANNETTE; JAKOBSEN, PALLE H.
 TITLE OF INVENTION: MALARIA ANTIGEN
 NUMBER OF SEQUENCES: 19
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/409,658
 FILING DATE: 18-SEP-1989
 SEQ ID NO: 1
 LENGTH: 3095

Query Match 2.68; Score 57.2; DB 6; Length 3095;
 Best Local Similarity 50.3%; Pred. No. 0.012;
 Matches 167; Conservative 0; Mismatches 163; Indels 2; Gaps 1;

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QY 101 agtacttaataaattttacatttaaatgaatttttttcaataaataattta 160
DB 2225 agaaatttaaaaaagatctcaaaactatltgaagtgttaagatcgaatgaagtg 2284
QY 161 ttagtattagaataatlaaataatgaanaatttgaatcccgattctctcttct 220
DB 2285 ttatcaagttgtaagcaattaaagaaatgaagaaatagaataattt--ttcca 2342
QY 221 tgcattatcatcttttcttaaccacaaccatctataatgtcttcaaatagaactgaa 280
DB 2343 aaacatttaataatcaaaaaaataaaaaaataaaaaaataaataaataa 2402
QY 281 attatttaatttaataactgaaacaatttggatcaatcattatcattatgta 340
DB 2403 attttttctattatataatgaactaatattatttaataaataatattatataa 2462
QY 341 taaatgcatatataatltgataaactgcaaaagatttcaaatatcttcaagaanaa 400
DB 2463 aagaatactagatttctgtatataatagaanaataatcattgataattattagaanaa 2522

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|----|------|--|------|
| Db | 157 | ATTCATCAATATTAATTAATTATTAATTAATAAATAATATTATATGACATACATTTTA | 216 |
| Qy | 785 | gcccaatgaaaaaaaccttatataaacatctaca--cattgaccatcgaaagtcgttc | 841 |
| Db | 217 | GTCATATTCGAAATTTTAAATTTAGTTATTAATAAATATTAATACATATTAATTATTTCTTTA | 276 |
| Qy | 842 | tcaccatggtgaacagatcaactcacaccacaacataacatcgatctcttcacat | 901 |
| Db | 277 | ATTAATTAATTAATAGATTTCGATATTAATTAATTAATTAATTAATTTATTTATTTATTTAAAT | 336 |
| Qy | 902 | catcctaattatttgggttaaalatlaacat--atttlaagatatlaataagaa | 958 |
| Db | 337 | AATATATTTATTTATTTATTAAGAATTAATTAATTAATTAATTAATTAATTAATTAATTTAT | 396 |
| Qy | 959 | attnaaagatttttataaaaaatgataaaatatactcttccatgaattttcacacatt | 1018 |
| Db | 357 | TATATATTCATTTTATTAATAATTAATTTGATTTTATTAATTAATTAATTAATTAATTAAT | 456 |
| Qy | 1019 | gatttcataataatatcttttttlaatttcttaaaaaagtcgcaagacactata | 1078 |
| Db | 457 | TATATTAATAATTAATTTTAACCTTAATTTCTATTAATTAATTTTATTAATTTTAAATA | 516 |
| Qy | 1079 | gacatgactgttcgttcgtttacaaaagcatcacttaataacatacaaaaataat | 1138 |
| Db | 517 | ATTATATTCATTTATTTATTTATTTATTTATTAATTAATTAATTAATTAATTAATTAATTTTA | 576 |
| Qy | 1139 | tactaa | 1144 |
| Db | 577 | TCATTA | 582 |

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?      SEQUENCE CHARACTERISTICS:
?
?      LENGTH: 636 base pairs
?      TYPE: nucleic acid
?      STRANDEDNESS: single
?      TOPOLOGY: linear
?
?      MOLECULE TYPE: DNA (genomic)
?
?      ORIGINAL SOURCE:
?      ORGANISM:  PADI6928P
US-08-998-416-1137

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| | | | | |
|-----------------------|--------------|------------------|-----------------|-------------|
| Query Match | 2.68; | Score 56.2; | DB 4; | Length 636; |
| Best Local Similarity | 53.48; | Pred. No. 0.015; | | |
| Matches 118; | Conservative | 0; | Mismatches 103; | Indels 0; |
| | | | Gaps | 0; |

[illegible]

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: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: CDNA
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
:
US-08-487-826B-13

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| | | | | |
|-----------------------|--------------|------------------|-----------------|---------------|
| Query Match | 2.68; | Score 56; | DB 2; | Length 19124; |
| Best Local Similarity | 47.78; | Pred. No. 0.027; | | |
| Matches 164; | Conservative | 0; | Mismatches 180; | Indels 0; |

[illegible]

RESULT 8
US-08-998-416-1137
; Sequence 1137, Application US/08998416

GENERAL INFORMATION:
APPLICANT: Phillippen, Peter
APPLICANT: Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurguen
APPLICANT: Knechtel, Philipp
APPLICANT: Radischung, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPPII
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 1152
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6239264artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy

```

? REGISTRATION NUMBER: 38,,241
? REFERENCE/DOCKNET NUMBER: PF/5-30306/A/CGC1976
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 919-541-8587
? TELEFAX: 919-541-8689
? INFORMATION FOR SEQ ID NO: 1137:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 636 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
? ORIGINAL SOURCE:
? ORGANISM: PAGI692RP
?
? OS-08-998-416-1137

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| | | | | |
|-----------------------|--------------|------------------|-----------------|-------------|
| Query Match | 2.5%; | Score 54.8; | DB 4; | Length 636; |
| Best Local Similarity | 51.0%; | Pred. No. 0.027; | | |
| Matches 154; | Conservative | 0; | Mismatches 147; | Indels 1; |
| | | | Gaps | 1. |

[illegible]

RESULT 9
US-08-731-722-5/c
; Sequence 5, Application US/08731722

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REGISTRATION NUMBER: 36,965
REFERENCE/DOCKET NUMBER: UF-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 352-375-8100
TELEFAX: 352-372-5800
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1186 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE: INDIVIDUAL ISOLATE: 23-5
US-08-731-722-5

Query Match 2.5%; Score 54.2; DB 2; Length 1186;
Best Local Similarity 59.3%; Pred. No. 0.038; Mismatches 73; Indels 4; Gaps 1;
Matches 112; Conservative 0;

QY 904 taccattatttgggttaaatatcatcatttttgaagatatataaagaataa 963
DB 595 TATGAGAGATTCTTAATCACTAATTAAGATTTAAGATCTACTGTAATAACAG 536
QY 964 aagatttttaaaaaaatgctataaattatattatcatgattttcaatcattgatt 1023
DB 535 ATCATATTATTAATAATTAATAAGATT---TTCATATTATTAATAATAATATATTC 480
QY 1024 tgataataataatatttttttaattttcttaaaaaatgctgaagaactatagacat 1083
DB 479 TTATTAGAAGTATTTCATTTTAAATTTTAAAGTTATATATCTTTAAAAAGATAT 420
QY 1084 agtctgtt 1092
DB 419 AATTAATT 411

RESULT 10

US-09-056-075-1
Sequence 1, Application US/09056075

Patent No. 5955368

GENERAL INFORMATION:

APPLICANT: Johnson, Eric A.

APPLICANT: Bradshaw, Marile

APPLICANT: Rood, Julian

TITLE OF INVENTION: Expression System for Clostridium

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESS: Quarles & Brady

STREET: 1 South Pinckney Street

CITY: Madison

STATE: WI

COUNTRY: US

ZIP: 53701-2113

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/056,075

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Seay, Nicholas J.

REGISTRATION NUMBER: 27386

REFERENCE/DOCKET NUMBER: 960296,95238

TELECOMMUNICATION INFORMATION:

TELEPHONE: 608-251-5000

TELEFAX: 608-251-9166

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 6243 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 3770..4013
OTHER INFORMATION: /note= "RP4 origin of DNA transfer (oritf) from
OTHER INFORMATION: plasmid RP4"
US-09-056-075-1

Query Match 2.5%; Score 53.8; DB 2; Length 6243;
Best Local Similarity 50.8%; Pred. No. 0.058;
Matches 153; Conservative 0; Mismatches 147; Indels 1; Gaps 1;

QY 125 aaattagattttttatcaataaataattattttagttatttagaa-ataattat 183
DB 2802 AATTGAACCTTAATCTATTTTATGTTTAATTAATTAATTTATTAATAATTTTATA 2861
QY 184 tagaaaatttgaatcccgattctcccttcttcgtatcatcatttctaacc 243
DB 2862 CTAAATTAAAGATTCTTTTAATTTTACTATTTCATTCCTCAATATATTAATTAAT 2921
QY 244 aaaccaatctatgttcttccaattagaacttgaacttataattataaactga 303
DB 2922 TATTTACAAATTAATTTCTTCATTTGTAATTAATTAATTAATTAATTAATTTAGTTT 2981
QY 304 aaacatttgcataatcatalacatagcttgtaataaaatgcgataaataatgata 363
DB 2982 ATATATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3041
QY 364 aatctgcaaaagattttaacaatcttcaagaaaaaataaacaatttgcgtt 423
DB 3042 TTATTTCCAAAGATCTAAAGATTTAATTTTTCATTTTAACAAATCTTTTGAATAT 3101
QY 424 t 424
DB 3102 T 3102

RESULT 11

US-08-487-826B-13/C

Sequence 13, Application US/08487826B

Patent No. 5993827

GENERAL INFORMATION:

APPLICANT: Slim, Kim L.

APPLICANT: Chilciss, Chetan

APPLICANT: Miller, Louis H.

APPLICANT: Peterson, David S.

APPLICANT: Su, Xin-zhaun

APPLICANT: Wellens, Thomas E.

TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESS: Knobbe Martens Olson & Bear

STREET: 620 Newport Center Drive 16th Floor

CITY: Newport Beach

STATE: California

COUNTRY: US

ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/487,826B

FILING DATE: 10-SEP-1993

CLASSIFICATION: 435

```

1      ATTORNEY/AGENT INFORMATION:
2      NAME: Israel, Ned
3      REGISTRATION NUMBER: 29,655
4      REFERENCE/DOCKET NUMBER: NH121.001C1
5      TELECOMMUNICATION INFORMATION:
6      TELEPHONE: (619) 235-8550
7      TELEFAX: (619) 235-0176
8      INFORMATION FOR SEO ID NO: 13:
9      SEQUENCE CHARACTERISTICS:
10     LENGTH: 19124 base pairs
11     TYPE: nucleic acid
12     STRANDEDNESS: single
13     TOPOLOGY: linear
14     MOLECULE TYPE: cDNA
15     HYPOTHETICAL: NO
16     ANTI-SENSE: NO
17
18 OS-08-487-8265-13

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CURRENT APPLICATION NUMBER: US/09/286,691
CURRENT FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 60/027,883
EARLIER FILING DATE: 1996-10-04
EARLIER APPLICATION NUMBER: PCT US97/18008
EARLIER FILING DATE: 1997-10-03
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 1826
TYPE: DNA
ORGANISM: Orpinomyces sp. PC-2
FEATURE:
NAME/KEY: CDS
LOCATION: (69)..(1481)
US-09-286-691-11

Query Match
Best Local Similarity 49.8%; Score 52.2; DB 4; Length 1826;
Matches 152; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 865 tccatcccaaacataacatgcatatcctcctaccatcatcatatttgggttaa 924
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Db 1501 ttcaacaataataataattatttgtaataataaaaagaataattttaaaaaa 1560

QY 925 tattaatcattttttaagatatttaataaagattttttaaaaaatgta 984
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Db 1561 attatataatcatgtaataaataaataaataataatagaaataactacatagataga 1620

QY 985 taaattatattcatgatttttcatacatattgatttggataaataatatttt 1044
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Db 1621 aatatatacataaacaaagaataaataatttttagtatgtataaatttatt 1680

QY 1045 taattccttaaaaagtgtgcagagacttttagacatattctgttcgttaaaaa 1104
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1681 aaaaagttataataacgataaaaaaaataataaacatttggatgatttgcatacaa 1740

QY 1105 gcattcatcatattaatatataaa 1129
      | | | | | | | | | |
Db 1741 agaataataataataactttaaa 1765

RESULT 15
US-09-687-147-11
Sequence 11, Application US/09687147
Patent No. 6268198
GENERAL INFORMATION:
APPLICANT: Li, Xin-Liang
APPLICANT: Jungdahl, Lars G.
APPLICANT: Chen, Huizhong
TITLE OF INVENTION: Cellulases and Coding Sequences
FILE REFERENCE: 42-96a
CURRENT APPLICATION NUMBER: US/09/687,147
CURRENT FILING DATE: 2000-10-12
PRIOR APPLICATION NUMBER: US 60/027,883
PRIOR FILING DATE: 1996-10-04
PRIOR APPLICATION NUMBER: PCT US97/18008
PRIOR FILING DATE: 1997-10-03
PRIOR APPLICATION NUMBER: 09/286,691
PRIOR FILING DATE: 1999-04-05
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 1826
TYPE: DNA
ORGANISM: Orpinomyces sp. PC-2
FEATURE:
NAME/KEY: CDS
LOCATION: (69)..(1481)
US-09-687-147-11

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Query Match      2.48; Score 52.2; DB 4; Length 1826;
Best Local Similarity 49.88; Pred. No. 0.097;
Matches 132; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 865 tcacatccaaacatacagatctccttaaccaatcactaatttatttggttaa 924
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Db 1501 ttacaaacataaataatttttagraaataaaaaagaataaatttttaaaaaa 1560
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 925 tattuacattttttaagataattaagaataaagaatttttaaaaaatgta 984
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Db 1561 atttataatttattataataataataataatagaaattactataglacataga 1620
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 985 taaaattatatttctatgatttttcatacattttgtgtaaaataatattttt 1044
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Db 1621 aaatataacataaacaagaataaaaaatttaaaatttttagtattgtataaatttatt 1680
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 1045 taatttcttaaaaaatgtgcagaacactatthagacatagcttctgttaca 1104
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1681 aaaaagtttaataatgataaaaaaaataataaacattttgatgtatttgcataca 1740
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QY 1105 gcattcatcatttaatacatataa 1129
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1741 agaaataataataaatactttaaa 1765
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Search completed: January 24, 2002, 22:05:56
Job time: 1090 sec